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National Phase of PCT/GB04/000229

RGC-LUX-P1

CLAIM AMENDMENTS

Please amend claims 3 and 5 through 18 as set forth in the following listing of claims:

I CLAIM:

1. (original) A luminescent device comprising a gaseous tritium light source (GTLS) which provides a light output of pre-determinable intensity.
2. (original) A device according to Claim 1, wherein the GTLS comprises 10 to 20 mCi of tritium.
3. (currently amended) A device according to Claim 1 ~~either one of Claims 1 and 2~~, wherein the GTLS is located with an outer casing having at least one optically transparent or translucent portion.
4. (original) A device according to Claim 3, wherein the outer casing is steel.
5. (currently amended) A device according to Claim 3 ~~either one of Claims 3 and 4~~, wherein the transparent or translucent portion comprises a neutral density filter.
6. (currently amended) A device according to Claim 3 ~~any one of Claims 3 to 5~~, wherein the transparent or translucent portion is formed from glass or plastic.
7. (currently amended) A device according to Claim 1 ~~any one of Claims 1 to 6~~, wherein the device further comprises colouring means to alter the colour of the light output of the GTLS.
8. (currently amended) A device according to Claim 1 ~~any one of Claims 1 to 7~~, wherein the GTLS is held within a housing, the housing being located in the outer casing.
9. (currently amended) A device according to Claim 1 ~~any one of Claims 1 to 8~~, which is sized and shaped to calibrate the optical output of scientific apparatus.

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10. (currently amended) A device according to Claim 9, wherein said apparatus is selected from a group consisting of a luminometer, a fluorometer, a spectrophotometer, a scintillation counter, a photomultiplier, an avalanche photodiode or a CCD camera.

11. (currently amended) A device according to Claim 1 ~~any one of Claims 1 to 8~~, wherein said device comprises a scalebar graticule.

12. (currently amended) A device according to Claim 1 ~~any one of Claim 1 to 8~~, wherein said device comprises a filter array.

13. (currently amended) A kit comprising two or more luminescent devices according to Claim 1 ~~any one of Claims 1 to 12~~, each of said devices providing a light output of a distinct intensity to the other devices of said kit.

14. (currently amended) A kit according to Claim 13, further comprising a magnetic handling tool and wherein each of said devices includes a magnetic component.

15. (currently amended) A kit according to Claim 12 ~~either one of Claims 12 and 13~~, comprising three or more devices, each having a light output of a distinct intensity to the other devices of said kit.

16. (currently amended) A light measuring apparatus comprising a luminescent device as claimed in Claim 1 ~~any one of Claims 1 to 12~~, housed in a sample holder of said apparatus.

17. (currently amended) An apparatus ~~as claimed in~~ according to Claim 16, which is selected from the group consisting of a luminometer, a fluorometer, a spectrophotometer, a scintillation counter, a photomultiplier, an avalanche photodiode or a CCD camera.

18. (currently amended) A method of analyzing a sample, said method comprising;
i) calibrating an apparatus able to detect light output using a device as claimed in Claim 1 ~~in any one of claims 1 to 12~~;
ii) inserting said sample into the calibrated apparatus and obtaining a reading thereof.

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19. (original) A method as claimed in Claim 18, wherein the sample comprises living cells.